

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	341	("2876769" "2935068" "20020111577"  "20020169413" "20020188166" "200 20188167" "20030069468" "20030083 617" "20030144628" "3017885" "3592 184" "3692018" "3835864" "3885251"  "3939820" "3964479" "4004299" "40 34742" "4047849" "4051840" "407739 4" "4080958" "4135496" "4143616" " 4154227" "4167046" "4240409" "4302 854" "4384829" "4405313" "4407271"  "4457673" "4459977" "4522195" "45 40402" "4546759" "4552522" "456933 2" "4573997" "4611578" "4625712" " 4643712" "4666443" "4685446" "4688 996" "4690134" "4692141" "4697574"  "4719921" "4756302" "4759760" "47 71765" "4822357" "4838889" "486133 0" "4872874" "4883462" "4895150" " 4902272" "4902273" "4906229" "4908 012" "4927407" "4944745" "4957504"  "4968293" "4976270" "4983165" "49 94078" "4995856" "4995857" "502051 6" "5059167" "5069662" "5087247" " 5089017" "5092844" "5098370" "5116 564" "5129878" "5129883" "5131905"  "5133744" "5147281" "5147388" "51 69378" "5169379" "5171207" "517661 9" "5211659" "5263978" "5267940" " 5273518" "5290227" "5300113" "5318 518" "5332403" "5346458" "5352180"  "5374239" "5376113" "5378230" "54 03291" "5413549" "5429584" "543370 6" "5433731" "5437601" "5453076" " 5453087" "5472417" "5486159" "5503 615" "5505710" "5511958" "5514073"  "5522800" "5533958" "5536250" "55 42937" "5554136" "5556390" "556259 5" "5571093" "5584804" "5746575" " 5749855" "5776111" "5785686" "5795 326" "5807311" "5824070" "5851174"  "5868703" "5911685" "5941813" "59 47953" "5961486" "5964694" "605976 0" "6083198" "6085754" "6135981" " 6183411" "6190408" "6200260" "6221 103" "6224540" "6228052" "6245045"  "6287608" "6299575" "6387037" "63 90969" "6428464" "6475187" "648866 2" "6558356" "6592567" "6610004" " 6685621").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/30 09:43
S2	31	("1566061"   "3030953"   "3565074"   "4129129"   "4248224"   "4301797"). PN. OR ("4643712").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 10:31

## EAST Search History

S3	54	("0883583"   "2474665"   "3833003"   "4134402"   "4299217"   "4405313").PN. OR ("4540402").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 09:17
S4	2	("20070076123").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 05:44
S5	6	((("5000734") or ("5286234") or ("5902268"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 09:17

## EAST Search History

S6	296	(US-20020188167-\$ or US-20050131385-\$ or US-20050277804-\$ or US-20060161095-\$ or US-20060264689-\$ or US-20060264693-\$ or US-20060264694-\$ or US-20060264797-\$ or US-20060264798-\$ or US-20060270890-\$ or US-20060270964-\$ or US-20060270965-\$ or US-20030009237-\$ or US-20040167427-\$ or US-20010007058-\$ or US-20010038807-\$ or US-20020040717-\$ or US-20020111577-\$ or US-20020188166-\$ or US-20040006330-\$ or US-20040138519-\$ or US-20040138608-\$ or US-20040147864-\$ or US-20050113631-\$ or US-20050113799-\$ or US-20050209546-\$).did. or (US-20050209573-\$ or US-20050277803-\$ or US-20050277870-\$ or US-20060264800-\$ or US-20060264801-\$ or US-20060270891-\$ or US-20060270895-\$ or US-20060270963-\$ or US-20060270966-\$ or US-20060270988-\$ or US-20060276682-\$ or US-20070083157-\$ or US-20010053895-\$).did. or (US-5041098-\$ or US-5334141-\$ or US-7022100-\$ or US-5273540-\$ or US-5356375-\$ or US-5800383-\$ or US-5830180-\$ or US-5885251-\$ or US-6024720-\$ or US-6719803-\$ or US-5701905-\$ or US-6120492-\$ or US-4464177-\$ or US-4487605-\$ or US-6027480-\$ or US-6033393-\$ or US-6050978-\$ or US-6258120-\$ or US-6273871-\$ or US-6296832-\$ or US-6306365-\$ or US-6491039-\$ or US-6555057-\$ or US-6558354-\$ or US-6736790-\$ or US-6761700-\$).did. or (US-6786218-\$ or US-6821263-\$ or US-6929631-\$ or US-7048680-\$ or US-5370609-\$ or US-5785675-\$ or US-5792141-\$ or US-5186713-\$ or US-5903211-\$ or US-4387879-\$ or US-4596549-\$ or US-5277311-\$ or US-5622051-\$ or US-6112526-\$ or	US-PGPUB; USPAT	AND	ON	2007/08/31 09:21
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## EAST Search History

S7	8	((("5000734") or ("5286234") or ("5902268") or ("3995617"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 09:21
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# EAST Search History

S8	296	(US-20020188167-\$ or US-20050131385-\$ or US-20050277804-\$ or US-20060161095-\$ or US-20060264689-\$ or US-20060264693-\$ or US-20060264694-\$ or US-20060264797-\$ or US-20060264798-\$ or US-20060270890-\$ or US-20060270964-\$ or US-20060270965-\$ or US-20030009237-\$ or US-20040167427-\$ or US-20010007058-\$ or US-20010038807-\$ or US-20020040717-\$ or US-20020111577-\$ or US-20020188166-\$ or US-20040006330-\$ or US-20040138519-\$ or US-20040138608-\$ or US-20040147864-\$ or US-20050113631-\$ or US-20050113799-\$ or US-20050209546-\$).did. or (US-20050209573-\$ or US-20050277803-\$ or US-20050277870-\$ or US-20060264800-\$ or US-20060264801-\$ or US-20060270891-\$ or US-20060270895-\$ or US-20060270963-\$ or US-20060270966-\$ or US-20060270988-\$ or US-20060276682-\$ or US-20070083157-\$ or US-20010053895-\$).did. or (US-5041098-\$ or US-5334141-\$ or US-7022100-\$ or US-5273540-\$ or US-5356375-\$ or US-5800383-\$ or US-5830180-\$ or US-5885251-\$ or US-6024720-\$ or US-6719803-\$ or US-5701905-\$ or US-6120492-\$ or US-4464177-\$ or US-4487605-\$ or US-6027480-\$ or US-6033393-\$ or US-6050978-\$ or US-6258120-\$ or US-6273871-\$ or US-6296832-\$ or US-6306365-\$ or US-6491039-\$ or US-6555057-\$ or US-6558354-\$ or US-6736790-\$ or US-6761700-\$).did. or (US-6786218-\$ or US-6821263-\$ or US-6929631-\$ or US-7048680-\$ or US-5370609-\$ or US-5785675-\$ or US-5792141-\$ or US-5186713-\$ or US-5903211-\$ or US-4387879-\$ or US-4596549-\$ or US-5277311-\$ or US-5672051-\$ or US-6112526-\$ or	US-PGPUB; USPAT	AND	ON	2007/08/31 09:22
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## EAST Search History

S9	6	((("5000734") or ("5286234") or ("5902268"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 09:27
S10	112	(604/103.05).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 09:27
S11	176	604/103.05	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/31 09:28
S12	134	"5000734"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/31 09:29
S13	134	"5000734"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/31 09:29
S14	2	("5000734").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 09:30
S15	260	604/103.07	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/31 09:32

## EAST Search History

S16	44	("20020013569" "20020013569" "20020120234" "4445892" "4771777" "5163905" "5195969" "5370685" "5460610" "5462529" "5545135" "5674198" "5738652" "5814016" "5840081" "5855601" "6090096" "6168624" "6168624" "6210365" "6299597" "6673040" "7189250").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2007/08/31 09:32
S17	68	("4385631"   "4610662"   "4637389"   "4708717"   "4790315"   "4877031"   "4909252"   "4919651"   "4924863"   "4976690"   "5090960").PN. OR ("5163905").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 09:36
S18	260	604/101.05	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 09:36
S19	2	("4351342"   "4813935").PN. OR ("6837868").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 09:40
S20	8	((("4643712") or ("4983165") or ("5433706") or ("6475187"))).PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 09:40
S21	73	("3889686"   "4183102"   "4233983"   "4423725"   "4447227"   "4581017"   "4585000"   "4641653"   "4694827"   "4723549"   "4762130"   "4763653"   "4771777"   "4787388"   "4790315"   "4795427"   "4820271"   "4832028"   "4857054"   "4877031"   "4878495"   "4892519"   "4909252"   "4958634"   "4983165"   "4983167"   "5000734"   "5000743"   "5006119"   "5019042"   "5035694"   "5046503"   "5078685"   "5087247"   "5090958"   "5090960"   "5108370"   "5129883"   "5135474"   "5137513"   "5147377"   "5152277"   "5160321"   "5181911"   "5195955"   "5195971"   "5222941"   "5226888"   "5232446"   "5261879").PN. OR ("5433706").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 09:40

## EAST Search History

S22	93	("4581017"   "4601713"   "4762129"   "4771777"   "4790315"   "4819751"   "4850969"   "4909252"   "4909781"   "4944745"   "4983167"   "4988356"   "4994033"   "5040548"   "5046503"   "5049131"   "5061273"   "5078685"   "5102403"   "5108370"   "5116318"   "5135535"   "5147377"   "5154725"   "5156594"   "5158540"   "5171222"   "5180367"   "5205822"   "5232445"   "5267958"   "5284473"   "5295959"   "5295995"   "5308356"   "5318535"   "5324269"   "5336184"   "5342297"   "5346505"   "5370617"   "5378237"   "5383856"   "5383890"   "5395333"   "5395353"   "5403274"   "5409458"   "5411478"   "5425709"   "5425714"   "5433706"   "5470314"   "5472425"   "5484411"   "5484412"   "5489271"   "B14581017").PN. OR ("6007517"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 09:41
S23	90	("3726273"   "3834394"   "4066070"   "4183102"   "4224929"   "4423725"   "4573966"   "4581017"   "4744366"   "4762130"   "4763654"   "4787388"   "4934786"   "4944745"   "4958634"   "4983167"   "4990139"   "5000734"   "5002531"   "5019042"   "5071406"   "5090958"   "5108370"   "5129883"   "5135484"   "5147377"   "5152277"   "5160321"   "5167628"   "5179961"   "5226888"   "5308356").PN. OR ("5395333").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 09:42
S24	17	("4183102"   "4546759"   "4581017"   "4762130"   "4909252"   "5002532"   "5003989"   "5019042"   "5395333"   "5415635"   "5613948"   "5716340"   "5951514"   "6022359"   "6126634"   "6146358"   "6193686").PN. OR ("6776771").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 09:42



## EAST Search History

S25	89	("2930377"   "3045677"   "3173418"   "3448739"   "3834394"   "3889686"   "4029104"   "4040413"   "4224929"   "4233983"   "4323071"   "4328056"   "4329993"   "4338930"   "4403612"   "4423725"   "4423728"   "4445892"   "4447227"   "4461280"   "4467790"   "4527549"   "4546759"   "4547193"   "4563181"   "4564014"   "4573966"   "4581017"   "4608984"   "4610662"   "4644936"   "4689040"   "4737153"   "4738666"   "4744366"   "4762129"   "4763654"   "4771777"   "4784639"   "4785815"   "4808155"   "4822345"   "4824435"   "4826480"   "4842589"   "4877031"   "4892519"   "4909252"   "4932413"   "4950239"   "4960411"   "4976690"   "4983167"   "4988356"   "5000734"   "5000743"   "5002531"   "5019042"   "5046503"   "5071406"   "5087247"   "5090958"   "5090960"   "5092873"   "5137513"   "5147377"   "5160321"   "5163906"   "5169395"   "5226889"   "5320605"   "5370617"   "5395333"   "5417653"   "5716340"). PN. OR ("5951514").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 09:42
S26	89	("2930377"   "3045677"   "3173418"   "3448739"   "3834394"   "3889686"   "4029104"   "4040413"   "4224929"   "4233983"   "4323071"   "4328056"   "4329993"   "4338930"   "4403612"   "4423725"   "4423728"   "4445892"   "4447227"   "4461280"   "4467790"   "4527549"   "4546759"   "4547193"   "4563181"   "4564014"   "4573966"   "4581017"   "4608984"   "4610662"   "4644936"   "4689040"   "4737153"   "4738666"   "4744366"   "4762129"   "4763654"   "4771777"   "4784639"   "4785815"   "4808155"   "4822345"   "4824435"   "4826480"   "4842589"   "4877031"   "4892519"   "4909252"   "4932413"   "4950239"   "4960411"   "4976690"   "4983167"   "4988356"   "5000734"   "5000743"   "5002531"   "5019042"   "5046503"   "5071406"   "5087247"   "5090958"   "5090960"   "5092873"   "5137513"   "5147377"   "5160321"   "5163906"   "5169395"   "5226889"   "5320605"   "5370617"   "5395333"   "5417653"   "5716340"). PN. OR ("5951514").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 09:42

## EAST Search History

S27	142	("3731692"   "3833004"   "4141364"   "4183102"   "4198981"   "4403612"   "4585000"   "4762129").PN. OR ("5002531").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 09:45
S28	43	("4066070"   "4934786").PN. OR ("4983165").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 09:58
S29	307	604/544	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 09:58
S30	3	("5007897"   "5211664"   "5575815").PN. OR ("6939381").URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 10:02
S31	166	604/101.02	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 10:03
S32	2	("5000734").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 10:03
S33	2	("5286234").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 10:04
S34	2	("5902268").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 10:04
S35	193	(604/101.01).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 10:06

## EAST Search History

S36	120	(604/101.03).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 10:08
S37	1246	(606/192).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 10:08
S38	1439	(604/96.01).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 10:08
S39	19	("4245639"   "4248235"   "4327720"   "5193533"   "5275610"   "5383856"   "5437638"   "5441485"   "5501669"   "5505702"   "5522790"   "5613950"   "5669879"   "5713853"   "5776047"   "6027519").PN. OR ("6283940"). URPN.	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 10:23
S40	407	604/164.08	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 10:25
S41	18	"500734"	US-PGPUB; USPAT; USOCR	AND	ON	2007/08/31 12:20
S42	2	("5000734").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 10:26
S43	2	("5286234").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 10:26

## EAST Search History

S44	30	(604/912).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 10:26
S45	296	(604/915).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 10:27
S46	187	(604/103.01).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 10:34
S47	77	(604/103.02).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 10:35
S48	200	(604/103.07).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 10:37
S49	53	(604/103.14).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 11:26
S50	2	("5000734").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 11:26

## EAST Search History

S51	2	("5000734").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/31 11:26
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